Analytical balance KERN ABT series with automatic internal calibration



The premium model with single-cell weighing system

Features

· Automatic internal adjustment with thermal changes ≥ 0.5 ° C or chronological command every 4 h, guarantees high precision and makes operation independent of the place of installation

· Dosing support: High stability mode and other selectable filter settings

· Convenient for compounding / documenting with combined tare / print function. In addition, the components of the mixture are automatically numbered and printed with the respective number / weight value

· 4-digit, freely programmable identification code, printed in the adjustment protocol

· Automatic output of data to printer / PC with stable weight

Large glass windshield with 3 sliding doors for easy access to the product to be weighed
Rigid protective cover incl. in the supply

Technical data

· Large LCD display, digit height 14 mm

· Dimensions weighing surface, stainless steel, ⍰ 80 mm

Scale dimensions, incl. windshield W × D × H 217 × 356 × 338 mm

Weighing chamber W × D × H 168 × 172 × 223 mm

Net weight approx. 7 kg

· Permissible ambient temperature 10 ° C / 30 ° C

Leading Single-Cell Technology:

· Automatic production of the loading cell from a single unit

· Stable reaction to temperature changes

· Short stabilization interval: stable weighing values in only about 4 s under laboratory conditions

· High mechanical strength

· High safety in cases of off-center loading

The dual range scales (models ABT 120-5DNM and ABT 220-5DNM) automatically switch to the upper range of capacity [Max] and division [d]

On demand:
DAKKS certificate (code K3963101)
"M" **approval certificate** (code K3965201)

Note: For use with an approval requirement, please order the approval together with the balance;
it is not possible to carry out a first approval at a later date.
For approval, we require the full address of the place of use.

Accessories on request:

		Code
	• Minimum weight, smallest weight to be weighed, depending on the desired process accuracy, only in conjunction with the DAkkS calibration certificate	969-103
	• Hard protective cover, supplied in 5 pieces	ABT-A02S05
	• Ionizer to neutralize the electrostatic charge	YBI-01A
	• Paper rolls for KERN 911-013 printer, 57 mm wide (10 units)	911-013-010
	• Ink ribbon for printer	911-013-001
	• Dot matrix printer for KERN-Balances with RS-232 data interface	911-013
	• Thermal printer for KERN-Scales with RS-232 data interface	YKB-01N
	• Thermal receipt paper rolls for KERN YKB-01N printer (10 units)	YKB-A10
	• Set for determining the density of liquids and solids with density ≤ / ≥ 1	YDB-03
	• Dust protection cover	ABS-A08

	• RS-232 / Bluetooth adapter: Adapter for wireless connection of scales, dynamometers, etc., with RS-232 interface to devices with Bluetooth function, such as Bluetooth printer (eg KERN YKC-01), tablet, laptop , smar	YKI-02
	• RS-232 / WLAN adapter: Adapter for wireless connection of scales, dynamometers, etc., with RS-232 interface to WLAN devices, such as tablets, laptops, smartphones, etc.	YKI-03
	• Statistics printer for KERN-Scales with RS-232 data interface	YKS-01

Code	Description	Max flow rate g	Division mg	Homolog. Division mg	Minimum load mg	Reproducibility mg	Linearity ± mg
K3ABT105	Scale mod. ABT 120-5DNM	101	0,01	1	1	0,05	0,15
K3ABT120	Scale mod. ABT 120-4NM	120	0,1	1	10	0,1	0,2
K3ABT125	Scale mod. ABT 120-5DNM	42-120	0,01-0,1	1-1	1	0,02-0,1	0,05-0,2
K3ABT220	Scale mod. ABT 220-4NM	220	0,1	1	10	0,1	0,2
K3ABT225	Scale mod. ABT 220-5DNM	82-220	0,01-0,1	1-1	1	0,05-0,1	0,1-0,2
K3ABT320	Scale mod. ABT 320-4NM	320	0,1	1	10	0,1	0,3